

September 08, 2010 12:56:38PM

Client: Exxonmobil Everett Terminal  
52 Beacham Street  
Everett, MA 02149  
Attn: Arthur Powers

Work Order: NTH2294  
Project Name: Everett Terminal  
Project Nbr: NPDES Permt MA0000833  
P/O Nbr:  
Date Received: 08/25/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Outfall 001A-Diluent	NTH2294-01	08/24/10 12:00
Outfall 001A-Diluent	NTH2294-02	08/24/10 12:00
Outfall 001A-Diluent	NTH2294-03	08/24/10 12:00
Outfall 001A-Diluent	NTH2294-04	08/24/10 12:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

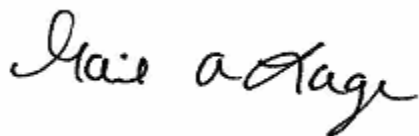
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Gail A Lage

Program Manager - National Accounts

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Received: 08/25/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTH2294-01 (Outfall 001A-Diluent - Water) Sampled: 08/24/10 12:00</b>								
General Chemistry Parameters								
Total Suspended Solids	3.70		mg/L	1.00	1	08/26/10 20:30	SM2540 D	10H4657
<b>Sample ID: NTH2294-02 (Outfall 001A-Diluent - Water) Sampled: 08/24/10 12:00</b>								
General Chemistry Parameters								
Total Organic Carbon	1.63		mg/L	1.00	1	08/27/10 13:15	SM5310 B	10H4703
<b>Sample ID: NTH2294-03 (Outfall 001A-Diluent - Water) Sampled: 08/24/10 12:00</b>								
General Chemistry Parameters								
Ammonia as N	0.315		mg/L	0.100	1	09/07/10 16:02	EPA 350.1M	10I0317
<b>Sample ID: NTH2294-04 (Outfall 001A-Diluent - Water) Sampled: 08/24/10 12:00</b>								
General Chemistry Parameters								
Residual Chlorine	ND	HTI	mg/L	0.100	1	09/07/10 11:18	SM 4500Cl G	10I0929

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## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>General Chemistry Parameters</b>						
<b>10H4657-BLK1</b>						
Total Suspended Solids	<0.500		mg/L	10H4657	10H4657-BLK1	08/26/10 20:30
<b>10H4703-BLK1</b>						
Total Organic Carbon	<0.500		mg/L	10H4703	10H4703-BLK1	08/27/10 13:15
<b>10I0317-BLK1</b>						
Ammonia as N	<0.0640		mg/L	10I0317	10I0317-BLK1	09/07/10 15:53
<b>10I0929-BLK1</b>						
Residual Chlorine	<0.00900		mg/L	10I0929	10I0929-BLK1	09/07/10 11:18

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## PROJECT QUALITY CONTROL DATA

### Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>10H4657-DUP1</b>										
Total Suspended Solids	ND	0.700		mg/L		5	10H4657	NTH2158-01		08/26/10 20:30
<b>10H4657-DUP2</b>										
Total Suspended Solids	24.8	24.8		mg/L	0	5	10H4657	NTH2401-01		08/26/10 20:30
<b>10H4703-DUP1</b>										
Total Organic Carbon	62.2	63.3		mg/L	2	20	10H4703	NTH1862-03RE1		08/27/10 13:15
<b>10I0317-DUP1</b>										
Ammonia as N	0.440	0.361		mg/L	20	41	10I0317	NTH2329-08		09/07/10 16:05
<b>10I0929-DUP1</b>										
Residual Chlorine	ND	ND	HTI	mg/L		2	10I0929	NTI0168-01		09/07/10 11:18

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## PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>General Chemistry Parameters</b>								
<b>10H4657-BS1</b>								
Total Suspended Solids	100	95.0		mg/L	95%	90 - 110	10H4657	08/26/10 20:30
<b>10H4703-BS1</b>								
Total Organic Carbon	10.0	10.6		mg/L	106%	90 - 110	10H4703	08/27/10 13:15
<b>10I0317-BS1</b>								
Ammonia as N	5.00	5.08		mg/L	102%	90 - 110	10I0317	09/07/10 15:54
<b>10I0929-BS1</b>								
Residual Chlorine	0.200	0.209		mg/L	105%	90 - 110	10I0929	09/07/10 11:18

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## PROJECT QUALITY CONTROL DATA

### LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>General Chemistry Parameters</b>												
<b>10H4657-BSD1</b>												
Total Suspended Solids		95.0		mg/L	100	95%	90 - 110	0	20	10H4657		08/26/10 20:30
<b>10H4703-BSD1</b>												
Total Organic Carbon		10.5		mg/L	10.0	105%	90 - 110	1	20	10H4703		08/27/10 13:15

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## PROJECT QUALITY CONTROL DATA

### Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>10H4703-MS1</b>										
Total Organic Carbon	1.63	22.5		mg/L	20.0	104%	74 - 134	10H4703	NTH2294-02	08/27/10 13:15
<b>10I0317-MS1</b>										
Ammonia as N	0.315	5.53		mg/L	5.00	104%	90 - 110	10I0317	NTH2294-03	09/07/10 16:02

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## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>General Chemistry Parameters</b>												
<b>10H4703-MSD1</b>												
Total Organic Carbon	1.63	20.0		mg/L	20.0	92%	74 - 134	12	20	10H4703	NTH2294-02	08/27/10 13:15
<b>10I0317-MSD1</b>												
Ammonia as N	0.315	5.55		mg/L	5.00	105%	90 - 110	0.3	41	10I0317	NTH2294-03	09/07/10 16:03



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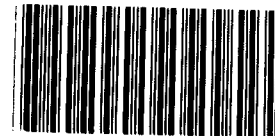
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## DATA QUALIFIERS AND DEFINITIONS

**HTI** The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.  
**ND** Not detected at the reporting limit (or method detection limit if shown)

## METHOD MODIFICATION NOTES

350.1 M - M = Ammonia-Nitrogen method modified for midi-distillation with Lachat Procedure 10-107-06-1-A.



## COOLER RECE

NTH2294

Cooler Received/Opened On 8/25/2010 @ 08:00

1. Tracking # 3373 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 4.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) W

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..#

#17) No sampling information provided. All information was taken off of the sample labels W

